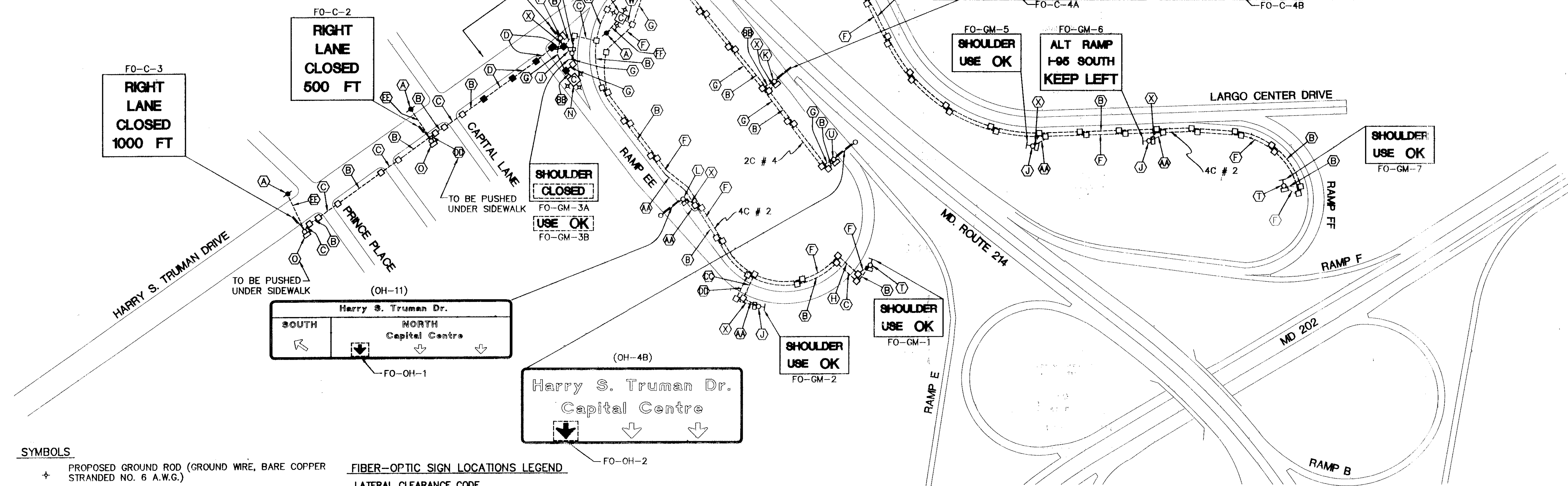


FIBEROPTIC SIGN LOCATIONS					
SIGN NO.	ROADWAY	STATION	LATERAL CLEARANCE CODE	VERTICAL CLEARANCE CODE	REMARKS
FO-GM-1	MD 214 RAMP "EE"	22+70±, LT.	(2)	(1)	*SEE NOTE BELOW
FO-GM-2	MD 214 RAMP "EE"	26+30±, LT.	(2)	(1)	*SEE NOTE BELOW
FO-GM-3A FO-GM-3B	MD 214 RAMP "EE"	37+30±, LT.	(3)	(1)	
FO-GM-4	E.B. LARGO CENTER DR.	202+80±, RT.	(3)	(1)	*SEE NOTE BELOW
FO-GM-5	E.B. LARGO CENTER DR.	209+00±, RT.	(3)	(1)	*SEE NOTE BELOW
FO-GM-6	E.B. LARGO CENTER DR.	213+00±, RT.	(5)	(1)	*SEE NOTE BELOW
FO-GM-7	MD 214 RAMP "FF"	12+00±, RT.	(3)	(1)	*SEE NOTE BELOW
FO-C-1	N.B. HARRY S. TRUMAN DR.	19+20±, RT.	(1)	(2)	CENTER SIGN VERTICALLY ON MAST ARM THEN RAKE POLE TO OBTAIN REQUIRED CLEARANCE
FO-C-2	N.B. HARRY S. TRUMAN DR.	14+30±, RT.	(1)	(2)	
FO-C-3	N.B. HARRY S. TRUMAN DR.	9+20±, RT.	(1)	(2)	
FO-OH-1 (OH-11)	MD 214 RAMP "EE"	32+00±	(4)	(3)	*SEE NOTE BELOW
FO-OH-2 (OH-4B)	MD 214 RAMP "EE"	18+70±	(4)	(3)	
FO-C-4A FO-C-4B (C-3)	RAMP 'E'	13+30±, RT.	(4)	(3)	

- GENERAL NOTES:**
1. MAXIMUM SPACING BETWEEN HANDBOXES SHALL BE 180'.
  2. CONTRACTOR SHALL COORDINATE TRENCHING OF CONDUITS FOR FIBER-OPTIC SIGNS, INCLUDING SERVICE AND TELEMETRY, WITH TRENCHING FOR LIGHTING CABLES (BURIED). FOR LOCATION OF LIGHTING CABLES AND FIXTURES PLEASE REFER TO THE LIGHTING LAYOUT SHEET.
  3. FOR SIZE OF SIGNS REFER TO DETAILED DRAWINGS IN SPECIFICATIONS.
  4. FOR MODE OF OPERATION OF ANY OF THE SIGNS REFER TO THE DETAILED DRAWINGS IN SPECIFICATIONS.
  5. ALTERNATE SERVICE CONDUCTORS AT SIGNS (I.E. 2 CONDUCTOR (NO. 2 A.W.G.) OR 2 CONDUCTOR (NO. 4 A.W.G.) AS APPLICABLE.
  6. CONTRACTOR SHALL COORDINATE CONDUIT INSTALLATION WITH ROADWAY CONSTRUCTION.
  7. ALL HANDBOXES AND CONDUIT SHALL BE INSTALLED OUTSIDE THE SIDEWALK AREA.
  8. CONTRACTOR SHALL INSTALL TYPE IV CONNECTOR KITS AT EACH FIBEROPTIC SIGN LOCATION.
  9. CONTRACTOR SHALL INSTALL 30 AMP DISCONNECT SWITCH @ ALL SIGN LOCATIONS.
  10. CONTRACTOR SHALL INSTALL BARE COPPER GROUND WIRE (NO. 6 A.W.G.) JOINTLY WITH THE 4 CONDUCTOR (NO. 2 A.W.G.) OR 2 CONDUCTOR (NO. 4 A.W.G.) AS APPLICABLE.



- SYMBOLS**
- + PROPOSED GROUND ROD (GROUND WIRE, BARE COPPER STRANDED NO. 6 A.W.G.)
  - PROPOSED ELECTRICAL CONTROL AND DISTRIBUTION PANEL
  - PROPOSED HANDBOX
  - USE EXISTING HANDBOX (TO BE INSTALLED AS PART OF THE TRAFFIC SIGNAL)
  - PROPOSED CONDUIT
  - PROPOSED BASE MOUNTED CABINET & CONTROLLER
  - PROPOSED PEDESTRIAN POLE WITH POLE MOUNTED CABINET
  - PROPOSED STEEL POLE WITH MAST ARM
  - ⊥ PROPOSED FIBER OPTIC SIGN

- FIBER-OPTIC SIGN LOCATIONS LEGEND**
- LATERAL CLEARANCE CODE**
- (1) 10' FROM FACE OF CURB TO CENTER OF POLE
  - (2) 4' FROM EDGE OF SIGN FACE TO BACK OF GUARDRAIL
  - (3) 6' FROM EDGE OF SIGN FACE TO FACE OF CURB
  - (4) SEE SIGN PLANS
  - (5) 13' FROM EDGE OF SIGN FACE TO FACE OF CURB
- VERTICAL CLEARANCE CODE**
- (1) 7' FROM BOTTOM OF SIGN TO ROAD
  - (2) 17' FROM BOTTOM OF SIGN TO ROAD
  - (3) SEE SIGN PLANS
- FO = FIBER OPTIC  
GM = GROUND MOUNTED  
C = CANTILEVER  
OH = OVERHEAD  
(C-1) = SIGNING SHEET SIGN NUMBER

- CONSTRUCTION DETAILS**
- A. LOCATION OF PROPOSED POWER SOURCE (APPROXIMATE)
  - B. INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - C. INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - D. USE 3" ELECTRICAL CONDUIT (INSTALLED FOR THE TRAFFIC SIGNAL) INSTALL 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - E. USE 3" ELECTRICAL CONDUIT (INSTALLED FOR THE TRAFFIC SIGNAL) INSTALL 4 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - F. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
  - G. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.).
  - H. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
  - I. INSTALL 14' PEDESTAL POLE WITH FIBER-OPTIC SIGN, POLE MOUNTED CABINET, AND DISCONNECT SWITCH (NOTE: INSTALL ONE 3" GALVANIZED AND ONE 2" PVC 90 DEGREE ELBOW).
  - J. INSTALL POLE MOUNTED CABINET AND DISCONNECT SWITCH ONTO PROPOSED CANTILEVER SIGN STRUCTURE (SEE SIGNING PLANS).
  - K. INSTALL POLE MOUNTED CABINET AND DISCONNECT SWITCH ONTO PROPOSED OVERHEAD SIGN STRUCTURE (SEE SIGNING PLANS).
  - L. INSTALL ELECTRICAL DISTRIBUTION PANEL FOR 120V, 200 AMP SERVICE, METER SOCKET DISCONNECT SWITCH AND GROUND RODS (NOTE: INSTALL ONE 3" GALVANIZED 90 DEGREE ELBOW).
  - M. INSTALL ELECTRICAL DISTRIBUTION PANEL FOR 120V, 100 AMP SERVICE, METER SOCKET DISCONNECT SWITCH AND GROUND RODS (NOTE: INSTALL ONE 3" GALVANIZED 90 DEGREE ELBOW). REFER TO SIGNAL PLAN TS-3321 FOR EXACT LOCATION.
  - N. INSTALL 21' STEEL POLE WITH A 40' MAST ARM, FIBER-OPTIC SIGN, POLE MOUNTED CABINET, 30 AMP SERVICE, METER, SOCKET, DISCONNECT SWITCH AND GROUND ROD, CUT MAST ARM TO 20' LENGTH (NOTE: INSTALL ONE 2" PVC AND ONE 3" GALVANIZED 90 DEGREE ELBOW).
  - O. INSTALL FIBER-OPTIC SIGN AND POLE MOUNTED CABINET ONTO MAST ARM (SEE TRAFFIC SIGNAL PLAN TS-3321).
  - P. BASE MOUNTED CONTROLLER (SEE THE TRAFFIC SIGNAL PLAN TS-2524).
  - Q. BASE MOUNTED MASTER CONTROLLER (SEE THE TRAFFIC SIGNAL PLAN TS-2524).
  - R. ELECTRICAL DISTRIBUTION PANEL FOR STREET LIGHTING (SEE LIGHTING PLANS).
  - S. INSTALL 14' PEDESTAL POLE WITH FIBER-OPTIC SIGN, POLE MOUNTED CABINET, DISCONNECT SWITCH AND GROUND ROD (NOTE: INSTALL ONE 3" GALVANIZED AND ONE 2" PVC 90 DEGREE ELBOW).
  - T. INSTALL POLE MOUNTED CABINET, DISCONNECT SWITCH AND GROUND ROD ONTO PROPOSED OVERHEAD SIGN STRUCTURE (SEE OH-4B OF SIGNING PLANS).
  - U. INSTALL 3 RUNS OF 12 PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED) ONTO EXISTING 4" CONDUIT IN BRIDGE PARAPET (USE BOTTOM CONDUIT). DO NOT PLACE CABLE JOINTLY WITH LIGHTING CABLE.
  - V. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.) AND 4 CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
  - W. INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH 2 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - X. INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT (TRENCHED) WITH 3 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - Y. USE 3" ELECTRICAL CONDUIT (INSTALLED FOR THE TRAFFIC SIGNAL) INSTALL 3 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - AA. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2 RUNS OF 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
  - BB. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED) WITH 2 RUNS OF 2-CONDUCTOR ELECTRICAL CABLE (NO. 4 A.W.G.).
  - CC. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 2 RUNS OF 4-CONDUCTOR ELECTRICAL CABLE (NO. 2 A.W.G.).
  - DD. INSTALL 2" GALVANIZED STEEL ELECTRICAL CONDUIT (PUSHED) WITH 2 RUNS OF 12-PAIR VOICE GRADE TELEMETRY CABLE (JELLY-FILLED).
  - EE. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (SLOTTED).
  - FF. INSTALL 3" GALVANIZED STEEL ELECTRICAL CONDUIT (TRENCHED).

<b>REVISIONS</b> B1 MARCH 23, 1993 RE-DRAWN RE-DRAWN 10-7-94 REVISION NO. 8	<b>APPROVALS</b> CHIEF, SIGNAL DESIGN SECTION ASST. DISTRICT ENGINEER, TRAFFIC CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, OFFICE OF TRAFFIC AND SAFETY	MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION - OFFICE OF TRAFFIC AND SAFETY TRAFFIC ENGINEERING DESIGN DIVISION	
DRAWN BY: J. WEAVER DES. BY: T. ZAYDEL CHK. BY: Z. SABRA		MD 214 @ THE CAPITAL CENTRE FIBER-OPTIC SIGNING	
DATE: 3/25/93 SCALE: 1"=200'		F.A.P. NO. S.H.A. NO. P 732-502-371	TS/FILE NO. 1003 A SHEET NO. 222A OF 337